

L6 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

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TITLE: The chemistry and pharmacology of a series of cycloalkanespiro-5'-hydantoins

AUTHOR(S): Oldfield, W.; Cashin, C. H.

CORPORATE SOURCE: Pharmacol. Dept., Distillers Co. Ltd., Liverpool, UK

SOURCE: Journal of Medicinal Chemistry (1965), 8(2), 239-49
CODEN: JMCMAR; ISSN: 0022-2623

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A number of substituted cycloalkanespiro-5'-hydantoins have been prepared and tested for toxicity, for gross effects on behavior, and for anticonvulsant and analgesic activity in mice. Indications of sedative activity were obtained by ability to potentiate hexobarbital anesthesia. A limited number of compds. were tested for antiinflammatory activity in rats. Cyclopentanespiro-5'-hydantoins showed a low toxicity and low sedative activity. Certain cyclohexanespiro-5'-hydantoins showed analgesic and antiinflammatory activity. Some cycloheptanespiro-5'-hydantoins exhibited anticonvulsant activity, while the few cyclooctanespiro-5'-hydantoins tested possessed properties reminiscent of the barbiturates but with lower potency.

IT 718-81-0, 1,3-Diazaspiro[4.6]undecane-2,4-dione, 3-allyl-

882-66-6, 1,3-Diazaspiro[4.5]decane-2,4-dione, 3-allyl-

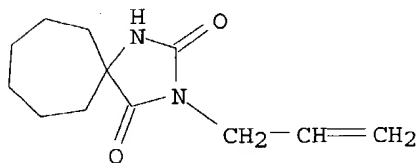
894-14-4, 1,3-Diazaspiro[4.5]decane-6-carboxylic acid,

3-allyl-2,4-dioxo-, ethyl ester

(pharmacology of)

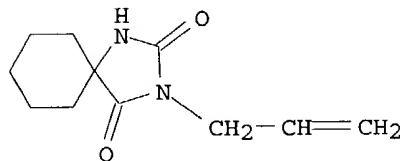
RN 718-81-0 CAPLUS

CN 1,3-Diazaspiro[4.6]undecane-2,4-dione, 3-(2-propenyl)- (9CI) (CA INDEX NAME)



RN 882-66-6 CAPLUS

CN 1,3-Diazaspiro[4.5]decane-2,4-dione, 3-(2-propenyl)- (9CI) (CA INDEX NAME)



RN 894-14-4 CAPLUS

CN 1,3-Diazaspiro[4.5]decane-6-carboxylic acid, 3-allyl-2,4-dioxo-, ethyl ester (7CI, 8CI) (CA INDEX NAME)

